

The PhD program requires candidates to undertake a number of graduate level courses, pass a qualifying examination, and then carry out research in a chosen area. The candidates are required to publish research papers in journals of international repute.

## Program Objectives

- Impart in depth knowledge and application of methodology to investigate original research problems through a systematic and focused approach
- Enable students to produce publishable research for journals and conferences of international repute
- Enable students to conduct independent research

## Program Outcomes

- Students will be able to exhibit specialized knowledge and ability to use appropriate research methodology in the relevant field of study
- Students will be able to conduct systematic and focused research
- Students will be able to publish research papers in journals and conferences of international repute
- Students will be able to conduct and supervise independent research and can produce knowledge

## Eligibility

- Degree in relevant subject, earned from a recognized university, after 18 years of education with a CGPA of at least 3.0 (on a scale of 4.0) or at least 60% marks (in the Annual System) in MS/MPhil/ Equivalent is required.

## Selection Criteria

- 60% score in GRE/HAT General Test developed at the University OR
- 60% score in GRE/HAT General Test conducted by HEC recognized Testing Bodies AND
- Interview (to assess research potential)

## PhD Coursework

PhD coursework comprises 6 courses (total 18 credit hours). 4 of these 6 must be taken from parent department. "SS 511 Research Methodology" must also be passed; unless already passed during MS coursework.

## Comprehensive Examination

The student becomes eligible to appear in the Comprehensive Examination after passing the PhD coursework with a minimum CGPA of 3.0. **This exam must be passed within two years of admission, failing which the admission shall be cancelled.**



## Research Work

The student can start work on PhD thesis only after

- a) Passing the Comprehensive Exam, AND
- b) Acceptance of synopsis by the Graduate Studies Committee.

## Research Paper

Publication of at least one research paper in an HEC approved category journal (as per current HEC Graduate Education Policy) is a requirement for submission of PhD Thesis for evaluation.

## PhD Thesis

PhD Thesis must be based on original research work.

## Plagiarism Test

A Plagiarism Test shall be conducted on the Thesis before its submission to foreign experts.

## Evaluation by TWO Foreign Experts

PhD thesis shall be evaluated by at least two experts from technologically advanced foreign countries.

## Local Expert Evaluation

If the foreign evaluators recommend that the work is acceptable for award of PhD, then a local committee, comprising two local experts and an internal evaluator, is constituted. The thesis is sent to all three members of this committee.

## Open Defence

After receiving positive comments from the local experts, the student is expected to defend his/her PhD Thesis before the local committee. The student will be declared successful after this Committee approves the work.